



SCREEN-OLGY

MAY

4

NINETEEN-THIRTY



SCREEN-LOGY

Published by The Johnson Metal Products Company, Erie, Pa. Being a monthly get-together of the folks who make all-metal screens — and those who recommend them.

May - 1930

MOTHER



The sun never sets on her glory,
The stars ever shine on her fame,
The spirits of good tell her story,
And the angels themselves keep her name!

We are what we are to each other,
Yet strands of affection may part,
But the cord that binds us to MOTHER
Is a thread that is spun from the HEART.

AT YOUR SERVICE

With the busy screen season just ahead we want you to remember that when you want metal screens for prompt shipment the JOHNSON Metal Products Company can accommodate you.

During the past winter we increased our facilities to such an extent that we can double our 1929 production. This means that we are in a position to make reasonably prompt deliveries on all orders received at the factory.

The JOHNSON screen is a quality product and the on-time delivery we have always maintained through the peak screen season, has made a lot of friends for us among the Architects and Builders.

Delays are costly and annoying. When the warm weather is with us and when flies are a genuine nuisance—promises of screens don't go. Screens enroute are not making friends of your clients who expected screens installed "last week, or two weeks ago."

When we promise a delivery schedule we make every effort to meet that delivery. Our dealer plans his local work so as to be in a position to make installations as agreed.

Combine our excellent service with the high quality of the JOHNSON screen and you receive 100% satisfaction.

Tubular -- Plus

The JOHNSON screen can be classified as having a tubular frame. A tubular frame has always been recognized as being very strong. We go a step farther with the JOHNSON frame and add the triangular brace as shown in the illustration on page eight. This truss construction is a patented feature of the JOHNSON screen which makes it stronger and more rigid than any other tubular frame screen.

Our standard frame is 1" x 1½". For large openings, however, we can furnish a frame 1½" x 1½", in steel or bronze, of the same construction as our 1" standard frame. Our light metal door is made from our 1½" bronze frame and presents a very attractive appearance.

JOHNSON SCREEN INSTALLATIONS

Among the thousands of JOHNSON screen installations, the majority of which have been for residences, a great many include public institutions, hospitals, hotels, etc., of which the following is a representative list:

U. S. Immigration Station, Ellis Island, N. Y.
Soldiers Memorial Field Hospital, Summit, N. J.
Allentown Hospital, Allentown, Pa.
Battle Creek Sanitarium, Battle Creek, Mich.
Caswell Training School, Kingston, N. C.
Johnston-Willis Hospital, Richmond, Va.
Kings County Hospital, Brooklyn, N. Y.
K. of C. Infirmary, Gabriels, N. Y.
Kings Park State Hospital, Kings Park, N. Y.
Mattewan State Hospital, Mattewan, N. Y.
Harper Hospital, Detroit, Mich.

Hollenden Hotel, Cleveland, Ohio
Lawrence Hotel, (United Hotels) Erie, Pa.
Penn Lincoln Hotel, Pittsburgh, Pa.
Park Apartments, Buffalo, N. Y.
Scanlon Garden Apartments, Cedarhurst, L. I.
Blind Brook Lodge, Rye, N. Y.
Penn Shady Apartments, Pittsburgh, Pa.

Duke University, Durham, N. C.
Cornell University, Ithaca, N. Y.
Sarah Lawrence College, Bronxville, N. Y.
Ohio State University, Columbus, Ohio

U. S. Dept. of Agriculture, Washington, D. C.
Montgomery-Ward, Chicago, Ill.
Ford Motor Co., Administration Bldg., Detroit, Mich.
Ohio Bell Telephone Co., Cleveland, Ohio
Corn Exchange Bank, Frankford, Pa.
Middlesex Mutual Assurance Co., Middletown, Conn.
Norwood Hydro Elec. Dev. Co., Trinidad, Texas
N. Y. State & N. J. State Bridge Commission, N. Y. City
Paramount Famous Lasky Corp., Philadelphia, Pa.
Public Service Prod., Newark, N. J.
Blessed Sacrament Convent, Newark, N. J.
Grosse Point Yacht Club, Detroit, Mich.

HOLLOW WALL DEADENS SOUND MORE THAN SAWDUST

Soundproofing involves careful study and practice, and scientists are just beginning to discover the proper way to protect interiors against noise. Among other interesting facts they have learned is that, under ordinary conditions, various materials that are supposed to deaden sound actually transmit it, so great care has to be exercised in constructing walls or other areas to make them soundproof. For example, hollow walls, in many instances, are better insulators against sound than those with an inner space filled with sawdust or other porous material. The filling, oftentimes, instead of keeping the sound out, helps carry it through. Walls can be made soundproof without tearing them down, by covering them with soundproofing materials which may be used as a base for plaster or may need special strips for the lathing and plastering, depending upon the kind of material used. If the room is to be insulated against sounds from within, a special soundproof plaster, that deadens echoes, literally swallowing the sound before it can bounce back again to another wall, has been prepared. It is being used with success in broadcasting studios and other interiors.

DURABILITY OF WHITE PAINT

Some tests of white paints for outdoor use undertaken at the bureau of standards show interesting results. The paints under test are white lead, lead-zinc and lithopone. Thus far, results have been obtained on six weeks of accelerated exposure, taking a set of panels out of the test every week. The white-lead paints fail by chalking off and by fine checking, and the lead and zinc paints by cracking, resulting in flaking or crumbling off of the paint coat; the lithopone paints fail by heavy chalking and checking, and soon disappear from the wood. White lead shows up best, lead-zinc next and lithopone a poor third. Lithopone paints fail in about three weeks, under the accelerated tests, and lead-zinc in about five weeks. The white-lead paints, after six weeks' exposure, have not reached as bad a condition as the lithopone paints have done at the end of 3 weeks.

* * * *

About 50,000 rosebuds are required to make one ounce of the oil of roses.

WHEN SUMMER COMES

I know a place I love to go,
When Summer comes;
Where perfumed breezes gently blow,
When Summer comes,
Where silver brooks, through meadows green,
Flow tunelessly, green hills between,
Making the earth a fairy scene,
When Summer comes.

The trees are green along the lane,
When Summer comes;
The birds come back to nest again,
When Summer comes;
And lovers stroll, at twilight hour,
Where nature plants her lovers' bower
And blesses them with heaven's dower,
When Summer comes.

I want to go back home, once more,
When Summer comes;
Where morning glories frame the door,
When Summer comes;
My tired eyes yearn soon to see
The old log huts, the elm tree,
Where mother waits to welcome me
When Summer comes.

W.H. 11

CHANGE, OR YOU'LL DROP OUT

A remarkable man is Mr. C. F. Kettering, President of General Motors Research Corporation, and chief engineer of the many General Motors activities. He gives his viewpoint on Change. "The first thing you must recognize is that your business is going to change. The next thing is that you must be able to find and to recognize what factors are going to make it change and then have those factors digested in your organization before the public demands the change."

That is the quick pick-up start of his article in Nation's Business. Now he slips into high.

Every once in a while we find an institution that says, "After we make this change, we can settle down for a little while." All the way along the road of life, people are looking for park benches where they can sit down and rest. There is only one place where there are any park benches, and that is immediately in front of the undertaker's office. If you do not like to travel the rate at which you have to travel, stamp out of the line and be a good spectator and adviser of those who want to stay in the race.

You cannot slacken the speed, because Nature fixed it when it put twenty-four hours in the day and 365 days in the year. You have nothing to do with it. You are going to be twenty-four hours older tomorrow, no matter what you or the United States Congress may think about it. If you recognize that dominating force which time has in the picture, then you will understand why you cannot stop change.

People say, "How long can you keep up this change?" I have not the slightest idea. We do not know anything about anything yet. Each year we do many things which the year before we did not think we could do at all; but the great difficulty with the average human being is that he is a little bit puffed up in thinking of what he does know. Consider this modern wonder, radio. We look upon that thing as brand-new. The first flash of lightning was the first radio broadcasting system. We do not invent these things. Those fundamental laws of Nature have been in operation ever since the world started. We only discover them.

METAL SCREEN DEALERS

As we open up new territory from time to time we are naturally in the market for experienced representatives to handle our product.

You may have an acquaintance who is looking for a good connection. If you'd suggest to him that he communicate with us—addressing his letter to THE SCREEN-OLOGIST, Drawer 741, Erie, Pa., we may be able to get together. Such a man should have metal screen experience—and one of those chaps with whom it is a pleasure to do business.

New Products

SCREEN-LOGY reaches a lot of Architects and Builders throughout the country who have ideas or patents for some product which they think might find a ready market.

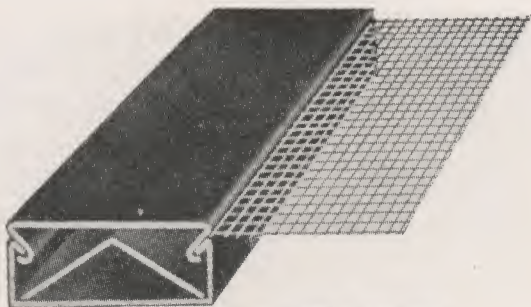
We are interested in the manufacture of new products which can be produced with the machinery we have at our disposal. We are primarily interested in metal products which can be used on windows or in connection with windows such as hardware and kindred lines.

We have a very large plant splendidly equipped with rolling machinery suitable for the manufacture of articles such as weather-strip, moldings—and various shapes from strip metal. Our punch press department is quite complete for light work. We have spot and butt welders; painting department equipped with spray and dipping apparatus, and steam heated and electrically heated ovens. Our machine shop is modern and we are fully equipped to make tools and dies.

Our metal screen capacity is approximately 2000 screens per day. In addition we have ample facilities to engage in the manufacture of another product and will be glad to consider anything with merit.

Business Friendship

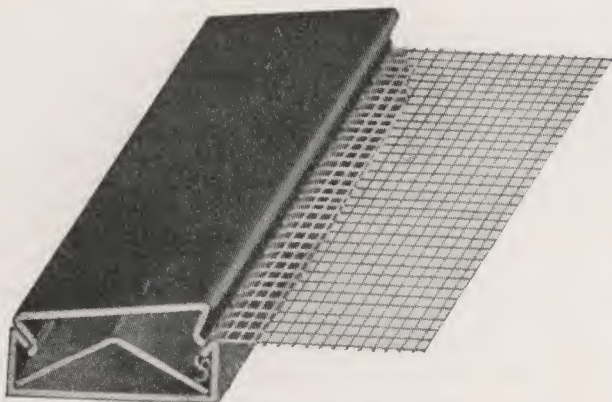
The word "friendship" means more than mutual esteem or human harmony. We believe that business friendship is a serious matter—twice as great as kindness and several times more important than common courtesy. Business friendship of the lasting, permanent kind, means making our service necessary to someone. We find a lot of satisfaction in such service, because we find that through it we have earned and kept the confidence of our friends.



The above illustration shows the interlocking of upper and lower channels of the JOHNSON Tubular Patented Frame. Patent 1698885



Miter joint at corners, reinforced with angle fillet



No other screen can be so easily and quickly screened or rewired as the JOHNSON screen

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DETAILS OF SCREEN FRAME

Material for the JOHNSON screen frame— steel or bronze— comes to us from coils. We have our own gear-head machinery, built in our own factory, which the coiled stock is run and formed according to the requirements of construction.

Angular brace shown in the illustrations at the left is sweated the entire frame. This truss construction gives our frame added strength. You note that there are no creases or indentures in the cap; there is nothing of that kind dust or dirt.

Members of the screen are reenforced with a one-piece corner brace firmly in place.

In lower illustration note the re-wireable feature. Simple— isn't it? In case of breaking or becoming injured, pry up the top cap with a screw driver: remove cloth as shown: force top cap into place with a wooden mallet. That's all. Look at the top illustration. As the top cap is sprung into the place, the wire is drawn taut thus preventing bagginess. A perfect product.

THE SCREEN-OLOGIST

DRAWER 741

Date_____

ERIE, PA.

I am interested in the items checked below. Kindly forward same without obligation on my part.

- ☐ Send copy of your complete screen catalog.
- ☐ Send sample corner section of your screen.
- ☐ Keep us on your mailing list for SCREEN-LOGY.

Name _____

Post Office address _____

Town or City_____

DAILY CHANGES IN POPULATION SHOWN BY MACHINE

Providing a constant and reliable estimate of the population of the United States, an interesting calculating machine is now in use at census headquarters. It is electrically operated, a tiny light flashing each thirteen seconds to indicate a birth, another every twenty-three seconds to show a death, and other flashes indicating the arrival of an immigrant or the departure of an emigrant. A counter at the top of the chart indicates an estimate of the total population of the nation at any time. The average gain is one every twenty-three seconds.

PAINTS STICK BEST TO WOOD GROWN IN SPRING

Scientific experiments have shown that the part of wood grown in the spring retains paint better than the summer wood. The summer growth is dense, horny and darker-colored than the spring. Lightweight wood of even texture has thin bands of summer wood and holds paint well, but most heavy woods are uneven with wide bands of summer wood and hence shed the paint. Edge-grain boards expose summer wood in narrower bands and hence hold coatings better than flat-grain cuts from the same log. Aluminum paint as a primer under customary house paints on summer woods has been found to lengthen the life of the coating.

SAFE "LISTENS" FOR BURGLARS

Mechanical ears are provided for a type of safe which "listens" for burglars and, on hearing them, sets off an alarm. Any noise, such as drilling, made in an attempt to open the safe when the alarm is on, sets up vibrations in the "ears" which cause the ringing of an alarm bell and the switching on of lights.

METHOD OF COLORING CEMENT

To mix any coloring matter in cement, add a small quantity of water, then some sand and all the color. Mix well and then throw in the rest of the batch of sand and cement, which must all be mixed thoroughly. This method will prevent many troubles in coloring, and there will be no spots. Colors should be mixed in the following quantities per bag of cement: tile red, 7 to 11 lb., Mexican red, 6 to 10 lb., Japanese black, 4 to 6 lb., Persian yellow, 10 to 14 lb., and Alaska brown, 10 to 14 lb.

THE DRAFTING ROOM

Making Blueprints from Heavy Paper

Often it is desired to make a blueprint from a drawing made on heavy paper or Bristol board, without tracing. The main reason for wanting such a print is usually that a copy is desired for filing, to provide a temporary reference, or as a duplicate if the original is lost, in which case a reversal is no serious objection. The blueprint is made in this manner: Place the drawing in the frame with the ink in perfect contact with the sensitized surface of the printing paper, to preclude the possibility of blurring due to dispersion of the light in passing through the thick paper. To get a clear-cut reproduction, it is merely necessary to increase the length of the exposure sufficiently to compensate for the reduction in the intensity of the light due to passing through the extra thickness. If the drawing bears considerable lettering and would be very inconvenient in a reversed form, it can be easily read by holding it up to the light and viewing it from the back or by reading it as reflected in a mirror. A rather interesting variation of this method of printing that gives an unreversed copy, but of less sharpness, consists in placing the back of the sensitized pa-

per in contact with the inked surface of the original and then exposing the back of the latter to the light. In this manner, the only dispersion that occurs is that occasioned by the passage of light through the body of the blueprint paper, and when this is of the thin mailing variety, very good results are obtained.

A Simple Rack for Draftsmen

Quick reference to various drawings of a single job makes handy filing space necessary.

A handy rack which takes up little room can be made out of a 2-in. plank, about 1 ft. square. Plane and sandpaper it, and drill sixteen 1-in. holes—four to a row—which should be enough for most purposes. Sandpaper the inside of the holes, varnish or stain the block as desired, and mark numbers neatly against the holes. The rolled drawings can then be placed in the holes, so that they will take up little room, and will be easy to pick out. Drawings usually have numbers assigned to them for classification on the drafting-room records, but for this purpose it will cause no confusion if temporary numbers are given to the different sheets, corresponding to the holes.

PIVOT SASH SCREENS for BAKERIES, RESTAURANTS, Etc.

The JOHNSON Pivot Sash Screen is simplicity itself. It has fewer parts than any other screen of this type. ALL INSTALLATIONS ARE MADE FROM THE INSIDE OF BUILDING thus eliminating scaffolding, etc. This means that the JOHNSON pivot screen will cost you less than any other similar screen.

The illustration on the opposite page shows the outside elevation of this installation.

When ordering this type of screen, the only information required is the name of the manufacturer of the pivot sash, the manufacturer's factory or code number of the type of sash, the number of lights wide, and the size of the glass. This information can always be obtained from the sash manufacturer's catalog.

Pivot sash screens are made for the following sash:

FENESTRA
TRUSCON
LUPTON
THORNE
BAYLEY
MESKER
FEDERAL
BOCA

Example for ordering:

FENESTRA (Detroit Steel Product Co.) sash
Manufacturer's factory or code number: 44141
Number of lights: 4, or 2 lights wide
Size of glass: 12" x 18"

Leading bakeries, cafeterias, restaurants, etc., are equipped with the JOHNSON Pivot Screen, the installations in every case being very satisfactory. This screen is absolutely fly-tight and is the result of several years of effort to perfect a screen of this type.

Our dealers will be glad to give you further information regarding the JOHNSON Pivot Sash Screen, or you may address the company direct.



Patents Pending

Outside Elevation

HAPPINESS

Now that Summer is nearly here, and every man spends just a few more moments out of doors, and while there, thinks about the wonder of renewing trees and flowers for just a moment or two, we think you may like to read something that one of the Truly Great of the world had to say.

The incomparable sculptor, Rodin, was sitting with a group of his friends in one of those delightful sidewalk cafes in Paris one day, and the discussion turned upon whether an artist's life is really useful or not.

The Great Man listened for a while in silence. Then he made his reply:—

"I call useful all that gives us happiness. Well, there is nothing in the world that makes us happier than contemplation and dreams. We forget this too much in our day. The man who, with just a sufficiency, wisely enjoys the numberless wonders which meet the eyes and mind at every turn—who rejoices in beauty and vigor of the youth about him; who sees in the animals, those wonderful living machines, all their supple and nervous movements and the play of their muscles; who finds delight in the valleys and upon the hilltops where the Spring spends itself in green and flowery festival, in waves of incense, in the murmur of bees, in rustling wings and songs of love; who feels an ecstasy as he watches the silver ripples, which seem to smile as they chase each other upon the surface of the water; who can, with renewed enthusiasm, each day watch Apollo, the golden god, disperse the clouds which earth wraps closely around her—the man who can find joy in all this, walks the earth as a god."

And They Pay!

From several sources we have heard that slow payers are with us again. A lamp shade manufacturer told us that 90 days was not unusual, and several customers have even asked for 120 days. Some years ago, we read of an unique scheme that worked with slow customers. A firm does want its money—but no good firm wants to lose good customers. The point is to get the money and keep your man, as well.

So a letter like this was sent: "Dear Sir:—If you will pay the enclosed bill now..... days overdue, you will oblige me. If you do not, I will oblige you."

Everyone sees the point, grins, and—*oblige!*

FOR YOUR GUIDANCE WINDOW SCREEN SPECIFICATIONS

Window screens shall be of tubular construction, as manufactured by JOHNSON Metal Products, or equal, with one half inch by one inch frames, substantially and rigidly made so as not to bend or buckle in use, having strengthening center brace running the entire length of the frame.

They shall be filled with sixteen mesh rustless copper bronze wire cloth, stretched taut and securely fastened, presenting a smooth appearance free from unsightly waves and bulges being held in place by interlocking mouldings so as to be easily rewired without the use of special tools.

Guides for either steel frame screens or bronze frame screens, shall be of bronze, hardware also of bronze.

Screen frames will have numbers stamped on them and duplicate bronze numbering tacks to be attached to openings in which they are to go.

EXPLANATORY NOTE

Frames to be of-----
(Architect to specify here whether screen frames are to be of copper bearing steel finished in baked on enamel—or architectural bronze, finished natural or otherwise.)

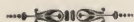
Screens to be furnished with hardware built into frame as an integral part of the screen without any lateral projections on the face of the frames.

Architect to specify method of equipment on various types of windows, according to following data—

Double hung windows can have single sliding screens for lower sash opening, either inside or out, or, double sliding twin screens full size of opening, either inside or out, or, top hung screens full size outside. Equipment to be selected according to desired use.

Casement windows can have full size pivot hinged or stationary screens, or, double twin sliding screens—horizontal or vertical—according to opening of the sash.

WHAT IS LIFE TO YOU ?



To the soldier life's a battle,
To the teacher life's a school.
Life's a "good thing" for the grafter;
It's a failure to the fool.
To the man upon the engine
Life's a long and heavy grade;
It's a gamble to the gambler;
To the merchant it's a trade.

Life's a picture to the artist,
To the rascal life's a fraud;
Life perhaps, is but a burden
To the man beneath the hod.
Life is lovely to the lover,
To the player life's a play;
Life may be a load of trouble
To the man upon the dray.

Life is but a long vacation
To the man who loves his work;
Life's an everlasting effort
To the ones who like to shirk.
To the earnest, sincere worker
Life's a story ever new.
Life is what we try to make it,
Brother, WHAT IS LIFE TO YOU?



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